Applicant: Mete et al. Attorney's Docket No.: 06275-431US1 / 100789-1P US

Serial No.: To Be Assigned Filed: Herewith

Filed : Herewith Page : 3 of 11

#### Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## Listing of Claims:

## 1. (Currently amended) A compound of formula (I)

wherein:

Y represents C1 to 4 alkyl, C1 to 4 alkoxy, halogen, CN, C≡CH, NO<sub>2</sub>, CH<sub>2</sub>OH, CHO, COCH<sub>3</sub>, NH<sub>2</sub>, NHCHO, NHCOCH<sub>3</sub>, or NHSO<sub>2</sub>CH<sub>3</sub>; said alkyl or alkoxy group being optionally further substituted by one or more fluorine atoms;

T, U and W independently represent CX, N, NR<sup>9</sup>, O or  $S(O)_m$ , except that at least one of T, U and W must represent a heteroatom and except that not more than one of T, U and W may represent NR<sup>9</sup>, O or  $S(O)_m$ ; m represents an integer 0, 1 or 2; and each X group independently represents H, C1 to 4 alkyl, C1 to 4 alkoxy, halogen, OH, SH, CN, C=CH, N(R<sup>11</sup>)<sub>2</sub>, NO<sub>2</sub>, CH<sub>2</sub>OH, CHO,

Applicant: Mete et al. Serial No.: To Be Assigned

Filed : Herewith Page : 4 of 11

COCH<sub>3</sub> or NHCHO; said alkyl or alkoxy group being optionally further substituted by one or more fluorine atoms;

V represents NR
$$^4$$
, O, CH<sub>2</sub>, S(O)<sub>n</sub>, OCH<sub>2</sub>, CH<sub>2</sub>O, NR $^4$ CH<sub>2</sub>, CH<sub>2</sub>NR $^4$ , CH<sub>2</sub>S(O)<sub>n</sub>, S(O)<sub>n</sub>CH<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub> or CH=CH;

n represents an integer 0, 1 or 2;

M represents C, and when M is bonded to a CH2 moiety in V, then M may also represent N;

R<sup>10</sup> represents H or Me[[.]];

Q represents  $(CH_2)_p$  and p represents an integer 0, 1, 2 or 3;

R<sup>1</sup> represents phenyl or a five or six membered aromatic heterocyclic ring containing 1 to 3 heteroatoms independently selected from O, S and N; said phenyl or aromatic heterocyclic ring being optionally substituted by one or more substituents selected independently from halogen, C1 to 4 alkyl, C1 to 4 alkoxy, OH, CN, NO<sub>2</sub> or NR<sup>5</sup>R<sup>6</sup>; said alkyl or alkoxy group being optionally further substituted by one or more fluorine atoms;

R<sup>2</sup> and R<sup>3</sup> independently represent H, C1 to 4 alkyl or C3 to 6 cycloalkyl; said alkyl group being optionally substituted by C1 to 4 alkoxy, halogen, hydroxy, –Z–NR<sup>7</sup>R<sup>8</sup>, phenyl or a five or six membered aromatic or saturated heterocyclic ring containing 1 to 3 heteroatoms independently selected from O, S and N; said phenyl or aromatic heterocyclic ring being optionally further substituted by halogen, C1 to 4 alkyl, C1 to 4 alkoxy, CF<sub>3</sub>, OCF<sub>3</sub>, CN or NO<sub>2</sub>;

Applicant: Mete et al.
Serial No.: To Be Assigned

Filed : Herewith Page : 5 of 11

Z represents -CO- or a bond;

R<sup>4</sup> and R<sup>11</sup> independently represent H or C1 to 2 alkyl;

R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> independently represent H or C1 to 4 alkyl;

R<sup>9</sup> represents H, C1 to 4 alkyl, CHO, COCH<sub>3</sub>, SO<sub>2</sub>CH<sub>3</sub> or CF<sub>3</sub>;

or a pharmaceutically acceptable salt thereof.

- 2. (Original) A compound of formula (I), according to Claim 1, wherein V represents  $S(O)_n$  and n represents 0.
- 3. (Currently amended) A compound according to Claim 1-or 2 wherein Y represents CN.
- 4. (Original) A compound of formula (I), according to Claim 1, which is: 3-[[(1S)-2-amino-1-phenylethyl]thio]-5-methyl-2-thiophenecarbonitrile; or a pharmaceutically acceptable salt, enantiomer or racemate thereof.
- 5. (Cancelled)
- 6. (Currently amended) A pharmaceutical composition comprising a compound of formula (I) according to any one of Claims 1 to 4 Claim 1, or a pharmaceutically acceptable salt thereof, in admixture with a pharmaceutically acceptable adjuvant, diluent or carrier.

7-12. (Cancelled)

Applicant: Mete et al. Attorney's Docket No.: 06275-431US1 / 100789-1P US Serial No.: To Be Assigned

Filed : Herewith

Page : 6 of 11

13. (Currently amended) A method, the method comprising treating or preventing pain by administering The use of a compound of formula (I) as defined in any one of Claims 1 to 4 Claim 1, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament, for the treatment or prophylaxis of pain.

- (Currently amended) A method, the method comprising treating or preventing an inflammatory disease comprising administering The use of a compound of formula (I) as defined in any one of Claims 1 to 4 Claim 1, or a pharmaceutically acceptable salt thereof, in combination with a COX-2 inhibitor, in the manufacture of a medicament, for the treatment or prophylaxis of inflammatory diseases.
- 15. (Currently amended) A method of treating, or reducing the risk of, human diseases or conditions in which inhibition of nitric oxide synthase activity is beneficial which comprises administering a therapeutically effective amount of a compound of formula (I), as defined in any one of Claims 1 to 4 Claim 1, or a pharmaceutically acceptable salt thereof, to a person suffering from, or at increased risk of, such diseases or conditions.
- 16. (Currently amended) A method of treating, or reducing the risk of, inflammatory disease in a person suffering from, or at risk of, said disease, wherein the method comprises administering to the person a therapeutically effective amount of a compound of formula (I), as defined in any one of Claims 1 to 4 Claim 1, or a pharmaceutically acceptable salt, enantiomer or racemate thereof.
- 17. (Currently amended) A process for the preparation of a compound of formula (I), as defined in any one of Claims 1 to 4 Claim 1, or a pharmaceutically acceptable salt, enantiomer or racemate thereof, wherein the process comprises:
- reaction of a compound of formula (II) (a)

Applicant: Mete et al.
Serial No.: To Be Assigned
Filed: Herewith

Page: 7 of 11

wherein T, U, W, Y and M are as defined in Claim 1 and L<sup>1</sup> represents a leaving group, with a compound of formula (III)

$$HV \xrightarrow{R^1} Q \xrightarrow{N R^2} R^3$$

(III)

wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>10</sup>, Q and V are as defined in Claim 1; or

# (b) reaction of a compound of formula (IV)

Applicant: Mete et al. Attorney's Docket No.: 06275-431US1 / 100789-1P US

Serial No.: To Be Assigned Filed : Herewith Page : 8 of 11

wherein T, U, W, M, Y and V are as defined in Claim 1, with a compound of formula (V)

$$L^{2} \xrightarrow{R^{1}} Q \xrightarrow{N R^{2}} R^{3}$$

(V)

wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>10</sup> and Q are as defined in Claim 1 and L<sup>2</sup> is a leaving group; or

#### (c) reaction of a compound of formula (VI)

$$\begin{array}{c}
T - W \\
V \longrightarrow M - V \longrightarrow Q \\
\downarrow Q \longrightarrow L^{3}
\end{array}$$
(VI)

wherein R<sup>1</sup>, R<sup>10</sup>, Q, T, U, W, M, Y and V are as defined in Claim 1 and L<sup>3</sup> is a leaving group, with a compound of formula (VII)

$$R^2R^3NH$$
 (VII)

wherein R<sup>2</sup> and R<sup>3</sup> are as defined in Claim 1; or

## (d) reduction of a compound of formula (VIII)

Applicant: Mete et al.
Serial No.: To Be Assigned

Filed : Herewith Page : 9 of 11

$$U \bigvee_{Y}^{T-W} \bigvee_{M-V}^{R^1} Q \bigwedge_{P} (VIII)$$

wherein  $R^{1}$ ,  $R^{10}$ , Q, T, U, W, M, Y and V are as defined in Claim 1 and P represents azide  $(N_{3})$ ; or

## (e) hydrolysis of a compound of formula (VIII)

wherein R<sup>1</sup>, R<sup>10</sup>, Q, T, U, W, M, Y and V are as defined in Claim 1 and P represents an imide group;

and where desired or necessary converting the resultant compound of formula (I), or another salt thereof, into a pharmaceutically acceptable salt thereof; or converting one compound of formula (I) into another compound of formula (I); and where desired converting the resultant compound of formula (I) into an optical isomer thereof.

Applicant: Mete et al. Attorney's Docket No.: 06275-431US1 / 100789-1P US Serial No.: To Be Assigned

Filed : Herewith

Page : 10 of 11

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(New) The method of claim 15, wherein it is predominantly inducible nitric oxide synthase 18. that is inhibited.

- (New) The method of claim 16, wherein the disease is inflammatory bowel disease. 19.
- 20. (New) The method of claim 16, wherein the disease is rheumatoid arthritis.
- (New) The method of claim 16, wherein the disease is osteoarthritis. 21.